HEALTH AFFAIRS

TRICARE Management Activity

MILITARY HEALTH SYSTEM AUTOMATED INFORMATION SYSTEM (AIS) SECURITY PROGRAM

Chief MHS AIS Security Program

Ms. Dorothy Hennessey

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Global View of Military Health System

Program Security Support

- ✓ **Security policy guidance**
- ✓ **Security policy oversight**
- ✓ **Compliance with Federal and DoD requirements**
- ✓ **System Certification and Accreditation**
- ✓ **Security Evaluations**
- ✓ **Risk Analysis**
- ✓ **Evaluate new technology and tools**

Dual-Approach Methodology

Site Security Support

- ✓ **Policy guidance and oversight to the Services**
- ✓ **Security programs assistance**
- ✓ **Security Awareness Training**
- ✓ **Computer incident response**
- ✓ **Operational risk assessments**
- ✓ **Accreditation of Systems**

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Objectives

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AIS Security: Protect, Detect, React, Recover...

High-Level Elements

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Goals

- Ensure the protection of patient and Privacy Act information processed, stored, maintained, or transmitted by MHS applications and networks
- Develop a MHS strategy and implement a methodology to secure the transmission of all MHS AIS data by the end of FY99
- Provide processes for implementing, and verifying compliance with, Federal and DoD security requirements
- Verify MHS Security Posture by verifying site security compliance

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History and Timeline

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"Where we were"	*"Where we are"*	*"Where we are going"*
Certification and Accreditation of over 30 systems	Certification and Accreditation of 90+ systems	Encryption/digital signature testing, policy, and implementation plan
September 1996, established the MHS Security Program	Security awareness training for HA/OA Network users	Meet and exceed HIPAA requirements
	Developed an interim encryption method for wide-area transmission of patient information	Meet and exceed DII/PKI requirements
	Developed corporate-wide encryption policy	DoD Information Assurance Program/Certification of system administrators and users
	ADP position sensitivity program for contractor personnel	DITSCAP Implementation
	MHS AIS Security Working Group	Defense Reform Initiative compliance
	MHS AIS Security Program web page	COTS acquisition security standards
	MHS AIS Security Policy Manual	Review all corporate-level contracts for security requirements
		Facilitated Risk Assessments

FY 92 FY 96 FY 98 FY 00

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Challenges of New Security Req

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Introduction

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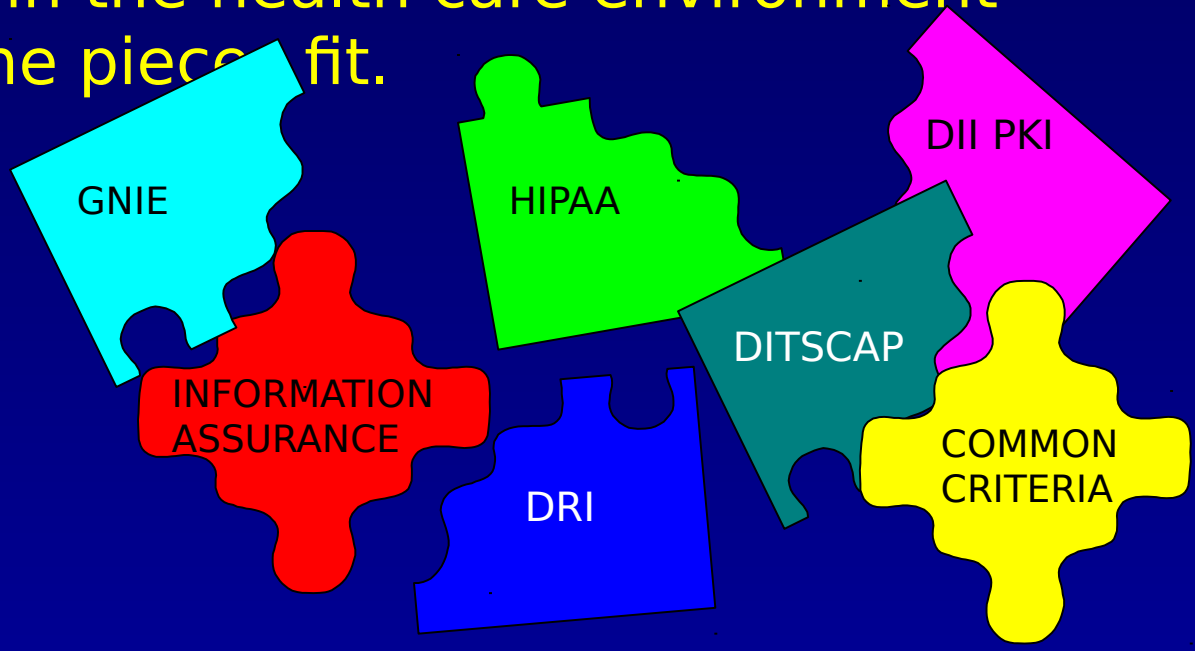
With the emergence of new security requirements and the technological explosion in the health care industry, can we in the health care environment make the pieces fit.



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New Security Requirements

- Defense Wide Information Assurance Program (DIAP)
- Health Insurance Portability and Accountability Ac (HIPAA)
- DoD Information Infrastructure (DII) Public Key Infrastructure (PKI)
- Defense Reform Initiative (DRI)
- DoD Information Technology Security Certification and Accreditation Process (DITSCAP)
- Common Criteria
- Global Network Information Enterprise (GNIE)

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Readiness and Operational Security Challenges

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Mapping the Requirements to the Mission

- Supporting the Combat Commander
- Providing Trusted Computerized Access

to Patient Data

- Proving Patient Data to Medical Doctors

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Pulling in all Directions

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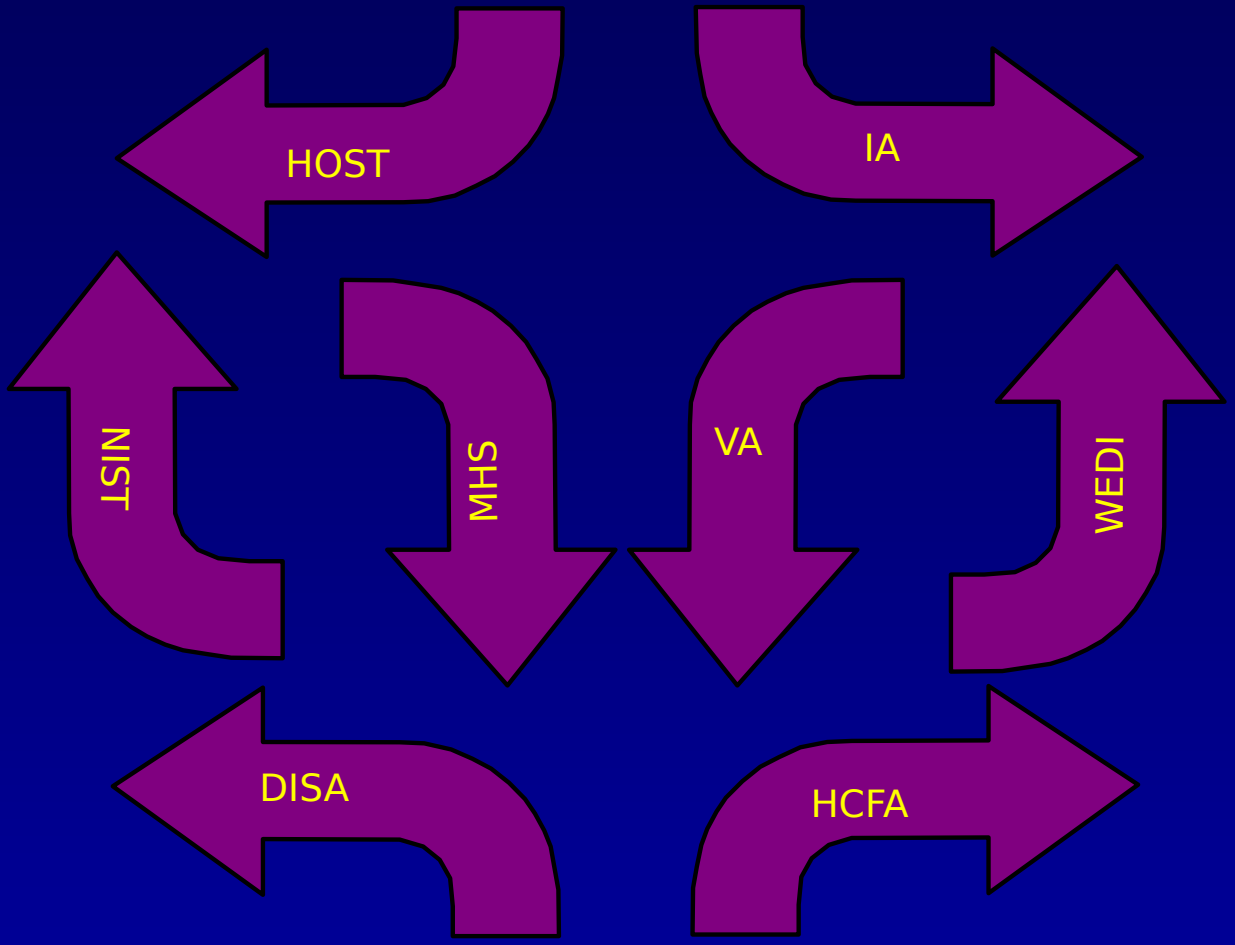
Finding an intersection



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Interoperability

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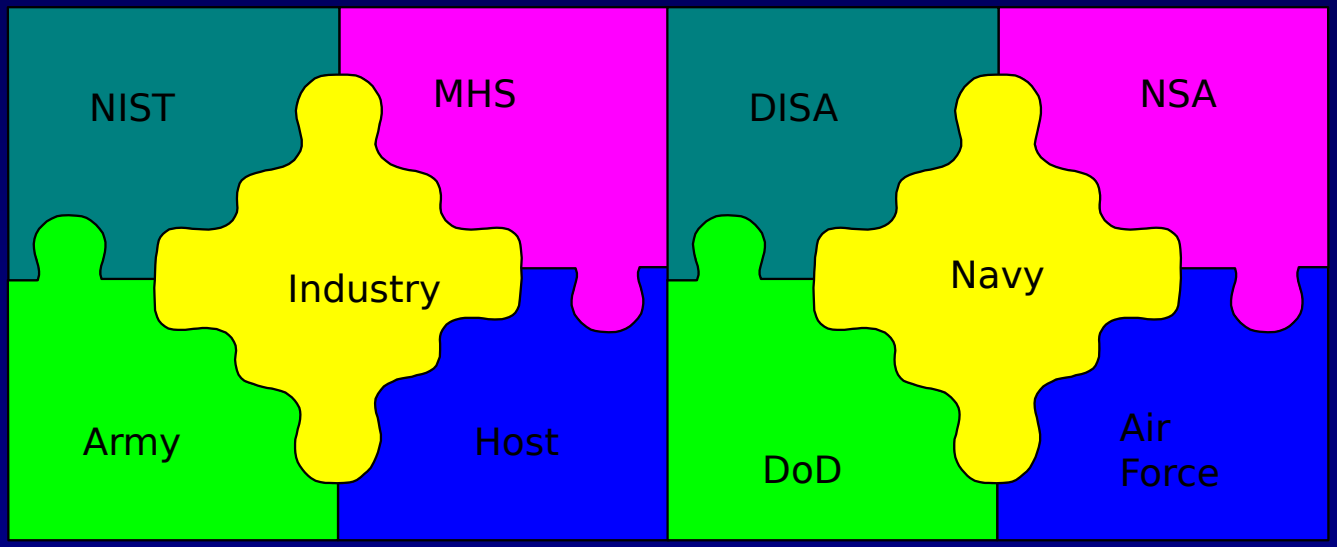
Making the Pieces Fit



Future…Global Interoperability

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MHS AIS Security Web Page

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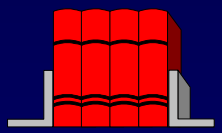

Security Policies and Guidance

- MHS AIS Security Policy Manual
- Appointed Managers
- MHS Developing Sensitive System Contingency Plans Guidance Doc
- MHS Preparing System Security Plans Guidance Document
- MHS AIS Warning Banner Guidelines
- MHS ADP Position Sensitivity Designations & Investigative Procedu
- Hot Links

Computer Viruses

- Virus Overview
- Hot Links

Security Bulletins

- Incident Reporting
- OMB Circular A-130 Checklist
- Windows NT v 3.51 C2 Functionality Requirements

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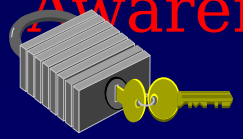
Security Awareness



Physical Security

- Physical Security Overview
- Computer Room Physical Security

Security Resources

- MHS AIS Security Working Group
- Security Book List and Resources
- Hot Links

Certification Process

- Guide to the MHS Accreditation Process
- Security Design Document Example
- Security Features User's Guide
- Security Test Plan and Results

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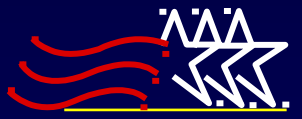
MHS AIS Security Program Contacts



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www.tricare.osd.mil/dmim/security/sechome. html